The best sides of communication

Radio technology

- PMR 446
- Scanner
- CB radio
- Amateur radio
- Accessories

Catalogue 2010

- We-stay-in-contact

ALBRECHT®
THE WORLD IN COMMUNICATION

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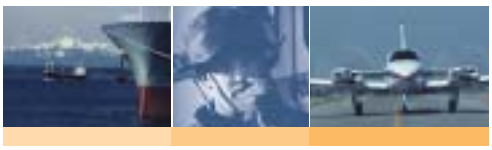

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PMR 446

2-way radios which you can use to communicate for free, anywhere and anytime.

Private channels CTCSS/DCS: By using the same CTCSS/DCS codes you can talk to your friends or colleagues without getting disturbed by others. So there won´t be any interferences by communications of others.
This is especially useful in baby mode because your radio will only react to the baby monitor.

PTT button: Push to talk button on the radio or external. This button has to be pressed in order to speak to your partner.

Vox-Activation: With the Vox function it is possible to transmit without pressing the PTT button. The radio will be activated by detecting your speech automatically.

Scan: Automatic search run on all 8 channels to find other people who are communicating.

Dual Watch: The radio automatically switches between your current channel and your priority channel. If it detects an active communication on the priority channel it will stay on this channel otherwise it will switch back to the current channel.

Call: Transmission of a tone which is received by others. Depending on the radio there are several tones similar to the ring tones on your mobile phone.

Monitor: This function disables the noise squelch temporarily, you can use it hear very faint signals. But you will also hear the noise on the channel.

Keylock: This will protect you against unintended changes of your settings.

Battery indicator: Shows the approximate charging status of the batteries.

Baby monitoring: A function which helps you to observe babys, childs or sick people.

Ranges of 2-Way Radios (PMR 446)

Vacant land, over water, etc. at a clear visual contact	up to 5 km and more
Slightly elevated, in forests, etc.	up to 3 km
In lightly built-up terrain, between vehicles and motorcycles	up to 2 km
Within towns, in cities, etc. (depending on the development)	up to 1.5 km
Within very developed cities or if the antenna is covered, i.e. in a jacket pocket	up to 800 m
Within steel concrete buildings	up to 400 m

Up to 5 km range, 8 channels, 500 mW

► possible range ...

PMR 446 2-Way Radio

> Tectalk Easy

A small 2-way radio easy to operate at a very good price/efficiency ratio.
The two exchangeable front panels provide variety.
The switchable output power level provide a low power consumption. The call signaling and scanning function round out the control comfort.

- ✔ Exchangeable front panel (silver/black)
- ✔ Switchable power
- ✔ Scan function

Tectalk easy pair:
2 devices, 4 front panels
2 belt clips

► Ord.-No.: 29680

PMR 446 2-Way Radio

> Tectalk Smart+

Small, light-weight an equipped with useful additional functions, the easy handling of these walkie-talkies will convince you. Whether at leisure activities or sports - there is no limit to use the Tectalk Smart+. Each of the channels can be coded with one of the 38 subcodes, which means undisturbed conversations between you and your partner. The hands free function (Vox) allows conversation without pushing the PTT-button, which can also be used as baby monitoring.

- ✔ 38 subcodes (CTCSS) for undisturbed conversations
- ✔ Hands free function/baby monitoring

Tectalk Smart+ pair:
2 devices, 2 Gürtelclips/belt clips (360°)
► Ord.-No.: 29883

Tectalk Smart+Set:
2 devices, 2 headsets,
wall and desktop charger, 6 rech. batteries, 2 belt clips (360°)
► Ord.-No.: 29884

Replacement headsets:
► Ord.-No.: 41925

► possible range ...

► Ord.-No.: 29883
► Ord.-No.: 29884

Up to 5 km range, 8 channels, 500 mW

► possible range ...

PMR 446 2-Way Radio

> Tectalk FM+

FM radio and walkie-talkie in one. A small appliance with a great variety of functions.
The 38 encoded tones per channel in conjunction with the voice encoding function (scrambler) provide completely undisturbed conversation. The 3 step vox control for „free-hands" conversations and for baby monitoring, the stop watch, the automatic power saving mode, the 10 adjustable call tones and the scanning function round out the comfort.

- ✔ The surface is rubber coated
- ✔ 38 subcodes (CTCSS) for undisturbed conversations
- ✔ Hands free function/baby monitoring
- ✔ Scrambler function
- ✔ Stop watch
- ✔ Power save function
- ✔ Callfunction (10 tones)
- ✔ Channel search function

Tectalk FM+ Pair
2 devices, 2 headsets,
2 Li-Ionen rech. batteries, duo desktop charger, 2 battery lid for 3 x AAA batteries
► Ord.-No.: 29735

► Ord.-No.: 29735

PMR 446 2-Way Radio

> Tectalk Contact 2

Tectalk Contact 2 – a PMR 446 Radio with a high range of application. Built for private and professional use. This very solid and user friendly radio guarantees the connection to your partner.

The "intelligent" desktop charger, charges AA batteries controlled and very fast. If the batteries are fully loaded, the charger turns into conservation charging mode.
For sales outside EU the transmitter power can be adjusted by software up to 2 Watts.

- ✔ The surface is rubber coated
- ✔ 38 CTCSS/104 DCS subcodes for undisturbed conversations
- ✔ Hands free function on 3 levels
- ✔ Audiocompander function for a better transmission
- ✔ 20 programmable channels

Tectalk Contact 2
1 device
1 intelligent fast charger
3 AA rech. batteries
1 Beltclip

Optional accessories:

12 V car charger:
incl. cig.-lighter cable
► Ord.-No.: 29251

Double desktop charger:
without AC Adaptor
► Ord.-No.: 29743

USB programming kit and -software
► Ord.-No.: 29745

Carry-case
► Ord.-No.: 29744

► possible range ...

► Ord.-No.: 29740

Up to 3 km range, 8 channels, 500 mW

PMR 446 2-Way Radio

> Tectalk Pro XL

Semi-Professional PMR 446 2-Way Radio
IP 54: The Tectalk Pro XL is the ideal for reliable communications in the toughest environment with its proven IP 54 structures.

Menu Driven System as well as PC programming: Easy to operate and highly adaptable, through the use of a menu driven configuration system as well as PC programmable function.

Smart Charging System: Each radio is supplied with an intelligent desktop charger (Semi Quick Charger).

Compact, Handy Design and Rugged: Very few compact commercial PMR 446 Radio can deliver so much versatility and functionality in this compact and handy size. This is also rugged and conforms military standard.

- ✔ Clone function
- ✔ CTCSS and DCS codes
- ✔ Waterproof IP-54
- ✔ Semi quick charger (4 - 5 hours)
- ✔ Time out timer

Tectalk Pro XL:
1 device, desktop charger, Li-Ionen battery (1000 mAh), protection bag
► Ord.-No.: 29786

Tectalk Pro Mobil: with mag mount antenna (for more range)
► Ord.-No.: 29784

PC programmable set
► Ord.-No.: 29798

Battery-Eliminator TBP- 1100:
for 12 V operations
► Ord.-No.: 29799

Rechargeable battery, 1600 mAh:
► Ord.-No.: 29787

TCC 1000: Clone cable
► Ord.-No.: 29788

Flexible antenna
for ham radio use:
35 cm, 430 - 446 MHz, 5 dBi
► Ord.-No.: 29796

► possible range ...

PMR 446 2-Way Radio

	Tectalk Easy	Tectalk Smart+	Tectalk FM+	Tectalk Contact2	Tectalk Pro XL
8 channels	●	●	●	●	●
Range up to 5 km	●	●	●	●	●
Transmission power/mW	500/50	500	500	500	500/50
Keyboard interlock	○	●	●	●	●
Call-tones	1	3	10	5	5
Vox	○	●	●	●	●
Vox-steps	○	1	3	3	5
38 CTCSS tones	○	●	●	●	50
104 DCS tones	○	○	○	●	●
Scrambler	○	○	●	○	○
Scan	●	●	●	●	●
Programmable	○	○	○	●	●
Dual Watch	○	○	○	●	●
Stop watch	○	○	●	○	○
Power save mode	●	●	●	●	●
Battery low display	acoustic signal	●	●	●	●
Charger	○	●	●	●	●
Charger port	○	●	●	●	●
Recharchable battery (mAh)	○	650	720 Li-Ionen	1500	1000 Li-Ionen
Headset socket 2,5/3,5 mm, twin	○	○	○	●	●
Headset socket 2,5 mm, single	○	●	●	○	○
Dimensions mm (B|H|T)	52|122|30	45|120|25	45|125|18	55/17,5/25	60|180|25
Weight incl. recharcheable battery packs	117	92	72	178	185
Batteries	3|AAA	3|AAA	Li-Ion o. 3|AAA	3|AA	Li-Ion battery

Der Betrieb der PMR 446-Geräte ist in folgenden Ländern freigegeben:
A, B, CH, CY, CZ, D, DK, E, EST, F, FIN, FL, GB, GR, H, I, IRL, IS, L, LT, LV, M, N, NL, P, PL, S, SK, SLO, RSM.

AE 31 S - Security Headset

The "Clear Tube" makes it a highly professional headset to carry out assignments inconspicuously. Connection with twin plug 3,5/2,5 mm.

► Ord.-No.: 41915

Security Headset AE 31

Semi professional clear tube headset with big PTT, 2,5/3,5 mm twin plug

► Ord.-No.: 41990

MA 35 L - Headphone

A combined headphone/microphone with flexible boom microphone and PTT

► Ord.-No.: C652.02, 2,5/3,5 mm twin connector 90°

MA 35 S
With PTT, 2,5 mm single plug.

► Ord.-No.: C652.03

AE 37/AE 30 - Headsets

A combined insert earphone/microphone, available with vox or transmission key operation/switchable), with 2,5 mm single plug.

► Ord.-No.: 41915

AE 30

Same like AE 37 but with 2,5/3,5 mm twin plug.

► Ord.-No.: 41830

AE 24 - Headset

Earphone/microphone with PTT-button on the microphone with 2,5/3,5 mm twin plug. IP 54

► Ord.-No.: 42724

Cases for professionals

Tectalk Pro XL
2 devices, 2 x charger, rech. batteries, 2 x headsets MA 24 L
► Ord.-No.: AL206.S2

Tectalk Contact 2
2 devices, 2 x charger, rech. batteries, 2 x headsets MA 24 L
► Ord.-No.: AL206.S3

HS 01 - Headset for Sport and Job

This rugged behind the head headset has a flexible boom microphone which provides ideal fit and maximum comfort. It features heavy duty cable for maximum durability, 360 degree rotating clip, Push-To-Talk with Vox/PTT switch, also an optional finger PTT. Meets IP-55. 3,5/2,5 mm Twin plug

► Ord.-No.: 41917

Bicycle Set

Bicycle set - microphone/earphone fitting to the bicycle helmet, Walkman connection available, 2,5/3,5 mm plug.

► Ord.-No.: 41861

HM 500/501 - Headsets

Earphone/microphone with PTT-button on the microphone.

HM 500
► Ord.-No.: 42700, 2,5/3,5 mm twin plug

HM 501
Same like HM 500 B - with 2,5 mm single plug.

► Ord.-No.: 42701

Throat Activated Microphone

AE 38 S2

Dual Throat Activated Microphone for high noise and tactical environments. Dual microphone system provides the highest quality transmit audio possible cutting down on ambient and nearby noise perfectly. the patented D-Shaped earphone use rubber ear loop which holds the earphone in place comfortably and provides privacy and discreet communication.

► Ord.-No.: 41918

AE 38
Single Throat Activated Microphone with earphone and switch for Vox or PTT, separate PTT-button with velcro fastening. 2,5/3,5 mm duo plug

► Ord.-No.: 41910

Tour Guide Sets

We have different solutions to use our 2-way radios as cost efficiant Tour Guide Radios. Please ask for more informations.

Bike communication

Bike-Sets

Our Bike-Sets consist of a pair of 2-way radios with helmet headsets for the bike to bike communication.

Tectalk Smart+ Sets

for closed helmets
2 devices, 2 x CHS 300, 2 x BHS 301
► Ord.-No.: 29883.S1

for open helmets
2 devices, 2 x OHS 500, 2 x BHS 301
► Ord.-No.: 29883.S2

for closed helmets, incl. charger
2 Geräte, Standlader, Akkus,
2 x headset, 2 x CHS 300, 2 x BHS 301
► Ord.-No.: 29884.S1

for open helmets, incl. charger
2 devices, charger, rech. batteries,
2 x headset, 2 x OHS 500, 2 x BHS 301
► Ord.-No.: 29884.S2

Tectalk Contact 2 Sets

for closed helmets
2 devices, 2 x CHS 300, 2 x BHS 300
charger, rech. batteries
► Ord.-No.: 29740.S1

for open helmets
2 devices, 2 x OHS 500, 2 x BHS 300
charger, rech. batteries
► Ord.-No.: 29740.S2

Tectalk FM+ Sets

for closed helmets, incl. charger
2 devices, duo-charger, rech. batteries,
2 x CHS 300, 2 x BHS 301
► Ord.-No.: 29735.S1

for open helmets, incl. charger
2 devices, duo-charger, rech. batteries,
2 x OHS 500, 2 x BHS 301
► Ord.-No.: 29735.S2

Stereo Headset

SHS 300
2 headphones for MP3 player connection,
incl. adaptor 3,5 mm to 2,5 mm.
► Ord.-No.: 41929

Basis Sets

BHS 301
For Tectalk FM+/-smart, MIDLAND 777/K1, G5. Transmission button and plug for the 2-way radio (2.5 mm stereo plug). You will need the earphone/ microphone CHS 300 (integrated helmet) or OHS 500 (jet/folding helmet)
► Ord.-No.: 41941

BHS 300
Same like BHS 301 but for Tectalk Pro XL and Contact 2.
► Ord.-No.: 41940

EXT 300 - Verlängerungskabel
For AE 500 S and BHS 300/301
► Ord.-No.: 41947

Blindstecker für Vox-Betrieb
For basic set BHS 300/301. For Vox use.
Not for Tectalk smart+.
► Ord.-No.: 41883

AE 600 Motorbike Intercom

Motorbike-Intercom AE 600 - The Basic
for driver and co-driver, connectivity
for navigation system or MP3 Player

► Ord.-No.: 40011, with CHS 300 (closed helmet)
► Ord.-No.: 40012, with OHS 500 (open helmet)

Motorbike-Intercom AE 600 S - The Advanced
for driver and co-driver. With integrated FM radio and connectivity for 2-way radio, MP3 Player and GSM.

► Ord.-No.: 40021, with CHS 300 (closed helmet)
► Ord.-No.: 40022, with OHS 500 (open helmet)

Motorbike-Intercom AE 600 BT - The Bluetooth
wireless connection to Bluetooth-headsets, -GSM, -navigation system, -2-way radio. Wired inputs for navigation system, MP-3 Player, GSM, 2-way radio, PTT and 12 Volt charger. Integrated FM-Radio

► Ord.-No.: 40031, mit CHS 300 (closed helmet)
► Ord.-No.: 40032, mit OHS 500 (open helmet)

Mikrofon/Ohrhörer for Basic Sets

Closed helmet Set CHS 300
Microphone/headphones for closed helmets for connection to the basic set BHS 300/301.
► Ord.-No.: 41930

Open helmet Set OHS 500
Microphone/headphones for open helmets for connection to the basic set BHS 300/301.
► Ord.-No.: 41955

Connecting cable for 600 Series

BHS 308: Co-driver-Basic cable for AE 600 Series, loop cable.
► Ord.-No.: 41952

BHS 304: Driver-Basiccable for AE 600 Serie.
► Ord.-No.: 41948

BPA 200 - Adapter

For wireless connection from radio to Bluetooth Headset. Scope of delivery: transceiver, Adapter 2,5 mm Stereo plug 2,5/3,5 mm to double plug, 230 V wall charger
► Ord.-No.: 15455

Earphones

Earphones OH2/OH2A
With flexible, soft rubber ear loop.

OH 2A, 2,5 mm connector
► Ord.-No.:71451

OH 2, 3,5 mm connector
► Ord.-No.: 71450

Earphone
Dynamic mono earphone with 3,5 mm connector for easy fixing on external ear.
► Ord.-No.: 71410

Ohrhörer OH3/OH3A
With flexible ear loop.

OH 3A, 2,5 mm connector
► Ord.-No.: 71452

OH 3, 3,5 mm connector
► Ord.-No.: 71453

Helmet earphone
especially for driving schools.
3,5 mm connector
► Ord.-No.: 41886

2,5 mm connector
► Ord.-No.: 41887

Vox System

Densei MV-509 Multi Vox system with belt clip. Voice control for PMR 446 radios. Vox level is adjustable. Connection: 2,5/3,5 mm duo plug for combination with various headsets out of our product range. Possibility to connect an external PTT-button.
► Ord.-No.: 4255

Antennas

Minimag 440 SMA
Mag mount antenna with SMA connector, 420 - 480 MHz
► Ord.-No.: 65740

Minimag 440 SMB
Mag mount antenna with SMB connector, 420 - 480 MHz
► Ord.-No.: 65745

Adapter

Dual plug 2,5/3,5 mm on 2,5 mm stereo plug. Adaptor for various headphones on Tectalk smart+/FM+, ALAN 777/K1, MIDLAND G5.
► Ord.-No.: 29254

Mikrophone

Babysittermikrofon BM 1
Microphone for baby monitoring for almost all 2-way radios, 2,5 mm stereo plug, incl. 1,5 m cable
► Ord.-No.: 41870

Loudspeaker microphone SM 400
With clip and helix cable.
Connector: 2.5/3.5 mm
► Ord.-No.: 41780

Loudspeaker microphone SM 500
This lightweight, mini sized microphone designed for light duty applications. Each unit features a powerful speaker as well as a high quality condenser-style microphone element that produces excellent transmitted audio clarity. A 360 degree revolving stainless clip on the back of the microphone can be secured to the user´s lapel or shoulder. This unit is made to meet IP-54. Connector: 2.5/3.5 mm.
► Ord.-No.: 41750

Car-cig. plug charger

for Tectalk FM+/Smart+/Contact2 ► Ord.-No.: 29251

for AE 600/AE 600 S/AE 600BT ► Ord.-No.: 29724

for Tectalk Pro XL ► Ord.-No.: 29799

Bag

Splash-proof bag
for 2-way radios up to 26 cm length.
► Ord.-No.: 29054

AL 400 - Windbreak

Spare foam for MA 30, AE 30/37 microphones
► Ord.-No.: AL 400

Which accessory for which 2-way radio?

Double connector 2,5/3,5 mm:
e.g. for Tectalk Pro XL, Tectalk Contact 2

Connector (Stereo) 2,5 mm:
e.g. for Tectalk Smart+, Tectalk FM+

Adapter: Double- to Stereo connector (Best.-Nr.: 29254)
e.g. for Tectalk Smart+, Tectalk FM+

Scanner

With Albrecht scanners and scanner radios you get a grip of the action. Since the release of scanners, Albrecht has built up a wide selection of models, satisfying beginners as well as professionals. Our policy: we want to offer you high-value scanners at affordable low prices, perfect engineering and good quality guaranteed!

Although the use of scanners has been liberated in numerous European countries, operators of scanners have to pay attention to the considerable differences in national jurisdiction that still prevail.

MHz			Radio service
26.565	-	27.405	CB-radio
34	-	40	Mobile radio 8 m Band (commercial radio, remote controls, wireless microphones)
47	-	68.4	TV frequencies Band I
50	-	54.4	Ham Radio 6 m Band
68	-	87.5	Mobile radio 4 m Band (commercial radio, police radio)
87.5	-	108	FM broadcast
108	-	118	Civil Air Navigation Band
118	-	136	Civil Air band
136	-	137.5	Weather Satellites
136	-	144	Military 2 m Band
144	-	146	Ham Radio 2 m Band
146	-	174	Mobile radio 2 m Band (commercial radio, police radio, maritime radio)
174	-	230	TV frequencies Band III
230	-	400	Military Air Band
410	-	425	Mobile radio (trunked radio)
430	-	440	Ham Radio 70 cm Band
433.075	-	434.775	Low power devices (LPD)
440	-	470	Mobile radio 70 cm Band (commercial radio, railway radio, Pager)
446.0	-	446.1	Private mobile radio (PMR 446)
470	-	790	UHF-TV Band IV and V
890	-	960	Public Mobile Radio GSM
1240	-	1300	Ham Radio 23 cm Band

Please note that in Germany it is not allowed to listen on every mentioned frequency band.

> ALBRECHT AE 30 H

A handheld scanner with 200 channels, pocket size, especially for air band and FM radio. The switchable bands allow easy frequency change in European countries. Furthermore, this scanner disposes of 3 priority channels (1 channel/band), 3 preprogrammed search bands, delay function 0 - 5 sec., lock-out function max. 40 frequencies, key lock, illuminated LC-display indicating channel, frequency and function, 400 mW audio output. Connections for antenna (BNC), ear plugs and external loudspeaker. Supplied with: rubber antenna and belt clip.

► Ord.-No.: 27030

> ALBRECHT AE 69-2H

A 80 channel scanner, compact design, only 165 g, with 3 band groups, non-volatile memory for settings (EEPROM), hyper search with 180 steps/sec., priority channel, delay function 2 sec., channel skip, illuminated LC-display. Socket for antenna (BNC), earplug/loudspeaker.
New: now with DC-/charging socket
Supplied with rubber antenna and belt clip.

► Ord.-No.: 27069

> ALBRECHT AE 72 H

With its 12 frequency ranges and 10 preprogrammed search bands this comfortable handscanner offers everything that might be required by an experienced user. Frequency range: 25 - 512 MHz. In the airband area the frequency steps are adjustable from 12,5 kHz to 8,33 kHz. The extremely quick scan (memory scan 50 channels/sec, frequency search 60 steps/sec) and the unique feature "hyper search" with 180 steps/sec allow you to be the first to get informed about news. Frequencies can be stored in 100 memory locations in 10 memory banks. Of course all usual features are available as well, such as battery indicator, key lock, delay function, connections for antenna and much more.

Supplied with: battery and wall charger.

► Ord.-No.: 27072

> ALBRECHT AE 92 H

Likely the AE 72 H, this handheld scanner also disposes of 10 preprogrammed search bands and even 13 frequency ranges. Frequency range: 25 - 960 MHz. In the airband area the frequency steps are adjustable from 12,5 kHz to 8,33 kHz. The quick scan (50 channels/sec, frequency search 60 steps/sec) and hyper search with 180 steps/sec make search of information a pleasure. Frequencies can be memorized in 200 memory locations and of course, this scanner as well disposes of all usual features, such as battery indicator, key lock, delay function, connections for antenna and much more.

Supplied with: battery/wall charger.

▶ Ord.-No.: 27092

> Aircontrol M8/M9

Low cost handheld multi band receiver with modern features such as power control LED and volume-/squelch-control, terminals for earphone/external speaker and power supply (6 V).

Specifications:
- Frequency ranges:
  26 - 28 MHz
  54 - 108 MHz
  108 - 179 MHz
- Telescopic antenna
- Squelch controller
- Connection earphone 3,5 mm e.g.
  OH-2 (Ord.-No.: 71450) and externally speaker
- Current supply: 4 x batteries AA
  and 6 V DC power supply (z.B. Ord.-No.: 7360)
- Dimensions (M8): 88 x 210 x 48 mm
- Dimensions (M9): 70 x 160 x 55 mm
- Weight (M8): 376 g (without batteries)
- Weight (M9): 230 g (without batteries)
- M9: Incl. 2 Front screens

▶ **Aircontrol M8** Ord.-No.: 27040
▶ **Aircontrol M9** Ord.-No.: 27042

Specifications					
Model	AE 30 H	AE 69-2H	AE 72 H	AE 92 H	AE 230 H
Memory locations	200	80	100	200	up to 2500 dyn.
Frequency ranges	87,5 - 107,9 MHz UKW/WFM 108 - 137 MHz AM 137 - 174 MHz FM	25 - 88 MHz 137 - 174 MHz 406 - 512 MHz	25 - 512 MHz not constant	25 - 512 MHz 25 - 960 MHz not constant	u.a. 25 - 87.3 MHz, 108 - 137 MHz, 137 - 174 MHz, 400 - 512 MHz, 806 - 960 MHz, 1240 - 1300 MHz
Scanning speed	25 channels/sec.	Hyper Search: 180 channels/sec. 50 channels/sec.	50 channels/sec.	50 channels/sec.	100 channels/sec.
Frequency steps	5/6.25/8.33/10/12.5/15/20/25/50/100 kHz	5/6.25/10/12.5/20 kHz	5/6.25/8.33/10/12.5/ 20 kHz	5/6.25/8.33/10/12.5/ 20 kHz	5/6.25/8.33/10/12.5/15/20/25/ 50/100 kHz
Power supply	3 batteries (AA)	2 batteries (AA)	2 AA batteries and wall charger incl.	2 AA batteries and wall charger incl.	2 AA batteries and wall charger incl.
Dimensions B x H x T	50 x 105 x 27 mm	65 x 150 x 40 mm	65 x 150 x 40 mm	65 x 150 x 40 mm	68 x 115 x 31,5 mm
Weight incl. antenna	130 g	182 g	190 g	190 g	180 g
Order No.	27030	27069	27072	27092	27230

> ALBRECHT AE 230 H Racingscanner

- **Racing frequencies**
- **Airband frequencies**
- **Voice radio frequencies (25 - 1300 MHz)**
- **Racing frequencies preprogrammed**
- **Max. 2500 assigned memory locations**
- **Close Call function**
- **Internet update available**

Main functions:

- 18 (19) Frequency ranges include: VHF-low: 25 - 87.3 MHz Airband 108 – 137 MHz, VHF-high: 137 – 174 MHz UHF: 400 - 512 MHz, 806-960 MHz, 1240-1300 MHz
- Close Call ™ nearby radio transmission search & capture up to 960 MHz
- 18 (19) Frequency ranges
- 50 CTCSS codes detection " 104 DCS Codes detection
- Memory scan 100 channels/sec. (Scan)
- Frequency scan up to 300 steps/sec. (Search)
- Up to 2500 dynamically assigned memory locations for conventional radio and racing systems
- Up to 200 dynamically programmable systems,
- Up to 20 groups per conventional system
- Airband steps 8.33 and 12.5 kHz selectable
- Frequency steps: 5/6.25/7.5/10/12.5/15/20/25/50/100 kHz
- 200 search and Close-Call lockout memory locations
- 10 user programmable search bands
- 1 Service search range (factory pre-programmed for air band)
- Scanning delay: 0- 5 sec.
- Illuminated alphanumerical LC Display
- Battery warning (+ acoustical warning)
- Non-volatile memory for settings (EEPROM)
- Key-lock
- Connectors for: Headphone (8-64 Ohms) power supply/wall charger 230 V AC to 6 V DC, 500 mA, Antenna (BNC), PC & Cloning cable (4 pin mini)
- Internal power supply: 2 x AA rechargeable batteries or Alkaline batteries
- Dimensions: L: 68 mm x H: 115 mm x D: 31,5 mm
- Weight: 180 g

Supplied with:

AE 230 H incl. headphone, 2 rubber antennas (different frequency ranges), belt clip, 2 rechargeable batteries (2 x AA NiMH 1800 mAh), wall charger/power adaptor 230 V AC carrying strip, RS 232 connecting cable for PC programming

► Ord.-No.: 27230

Optional Accessory:

ARC230 - programming software for the AE 230 for easy programming and controlling of the scanner (English user instructions).

► Ord.-No.: 27235

Adaptor for handheldscanner

12 V adaptor with polarity switch for use with handheld scanner:

AE 69 H, AE 72 H, AE 92 H, AE 230 H
AE 55 H, AE 65 H, AE 67 H, AE 105 H,
AE 600 H

► Ord.-No.: 73710

Flexible earphone

OH-2
Flexible, dynamic mono earphone with 3,5 mm connector for easy fixing on ear.

► Ord.-No.: 71450

Wall adaptor for handheldscanner

Wall adaptor with polarity switch for use with handheld scanner:

AE 69 H, AE 72 H, AE 92 H, AE 230 H
AE 55 H, AE 65 H, AE 67 H, AE 105 H,
AE 600 H

► Ord.-No.: 73670

Universal mobile holder

Universal mobil holder for use with handheld scanner and transceiver. Easy mounting on a car´s vent grille.

► Ord.-No.: 75205

Window vacuum mount

Window vacuum mount for use with antennas with BNC connector. Comes with 1,8 m cable with BNC plug.

► Ord.-No.: 66790

Mini mag mount BNC

Very strong mini magnet mount (Ø 35 mm). With BNC female mount for rubber and short telescopic antennas. Comes with 2,4 m low loss RG 174 cable with mounted BNC male connector.

► Ord.-No.: 6677

Window clip mount

Window clip mount for use with antennas with BNC connector. Comes with 2,5 m RG 174/U coaxial cable and mounted BNC plug. Optimum suitable for ham radio, scanner and CB-transceiver.

► Ord.-No.: 6676

Magnet and vacuum mounting

Mag mount antenna

Miniscan
Minimagnet mount scanner, ham radio antenna. Comes with 2,7 m RG 174 cable with BNC plug.

Frequency range:
0,5 - 2060 MHz (RX),
145 - 435 MHz (TX)
Power rating: max 40/25 W
Length: 32 cm
Connector: BNC

► Ord.-No.: 6158

AE Handscan

Telescopic scanner antenna with very good receiving capability which can be used as a receiving antenna, as well as amateur (2 m/70 cm) band transmitting antenna.

Frequency range:
25 - 1300 MHz
Length: 66 cm
Connector: BNC

► Ord.-No.: 6157

AE Maxiscan

Flexible wideband scanner antenna with very good receiving results in the 4 m and 2 m band. With BNC connector.

Frequency range: 25 - 1300 MHz
Length: 32 cm

► Ord.-No.: 6156

Sky Scan Mag 1300

Mobil magnet scanner antenna for 25 - 1300 MHz. Length about 60 cm. Comes with cable and BNC connector.

► Ord.-No.: 61680

Multiscan DX

The ideal space-saving scanner antenna that can be installed in any place such as attic, balcony etc. Comes with mounting set and PL/SO-239 terminal.

Frequency range: 60 - 525 MHz

► Ord.-No.: 6167

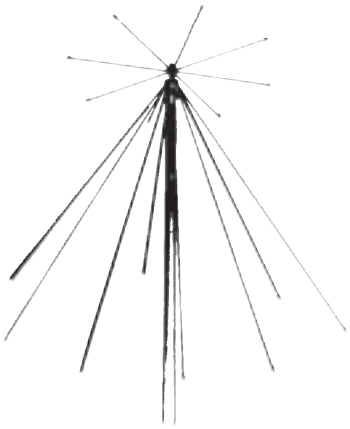
Eurostick DX

Wide band scanner antenna with 3 radials. Can be installed in any place such as attic, balcony etc. Comes with mounting set and PL/SO 239 terminal.

Frequency range: 25 - 2060 MHz

► Ord.-No.: 6164

Scanner Antennas



Sky Band

A discone scanner antenna which can be used as a receiving antenna as well as amateur band transmitting antenna. The radiators are made of stainless. For mounting mast of max. 35 mm diameter.

► Ord.-Nr.: 6161

AE Desktop 1300

Baseantenna for 25 - 1300 MHz. Very compact so ideal for home or balcony use. Length about 1,1 m radials 8 x 20 cm. Comes with cable and BNC plug.

► Ord.-Nr.: 61690

Allband

High performance discone antenna which can be used as a receiving antenna as well as for transmission use on several ham radio frequencies. Made of stainless steel, chromed brass and eloxed aluminium. Easy to install; comes with So-239 connector.

Frequency range:	RX 25 - 1300 MHz TX 49 - 51, 120 - 180 MHz, 215 - 300 MHz (UHF)
Power rating:	200 W UHF, 300 W (VHF)
Length:	170 cm
Connection:	SO 239

► Ord.-No.: 61700

Specifications

	Multiscan DX	Eurostick DX	Sky Band	Sky Band	AE Desktop Mag 1300	Full Band 1300
Frequency range MHz	60 - 525	25 - 2060 TX 144/440/ 900/1290	RX 25 - 1300	25 - 1300	25 - 1300 72-144, 220-400, 900-1290	26-27, 46-49,
Power rating			max. 200 W			max. 300 W CB 200 W VHF/UHF
Length	100 cm	120 cm	74 cm	64 cm	101 cm	120 cm
Ord.-No.	6167	6164	T601	61680	61690	T 734

CB-Radio

On the road again...
Do you travel across Europe? On the road? You want to communicate with others?
You want to get the latest news about the road-condition by other CB users?

Albrecht - Leading in new ideas:
Albrecht has consequently applied the new European R&TTE directive and it's possibilities, which has replaced the former national approval mark systems by a common European CE marking system. All Albrecht Multi-Standard CB radios have a country switch system and can be used in most European countries in (minimum) one of the 3 or more available switch positions. It depends on the member state's frequency application, which of the country switch position(s) you may use in the region where You are: 40 CH FM ("CEPT") in almost all countries, 40 FM/40 AM/40 SSB in more and more countries (the EN 300 433 Standard) and 80/40 (covering the additional German channels 41 to 80 inside of Germany except base station use in defined border regions).

My hobby CB-Radio
Restrictions on sets with up to 80 channels. The channels numbers 41 to 80 may unfortunately not be used everywhere: in the border areas of the neighbouring countries, apart from the Czech Republic Base stations, you are not allowed to transmit on these channels, or you need a special licence of the German authority (Bundes-Netz-Agentur).

Using your radio set in other countries
The latest European standards and the R&TTE directive have replaced all former national approval marks and procedures by a common marking with the well known CE mark + the "alert sign". All CB radios in Europe are now marked in the same way. But because still some national special requirements and licencing conditions exists, the manufacturers have been obliged to inform users clearly by statements on the gift box and in the user manual of any CB radio. Albrecht has now issued a unique "Radio Passport" which will help you to provide always all relevant informations with your CB radio. The latest versions of the "Radio Passport" can be downloaded at any time from the Albrecht homepage as a real help in police controls to show that your radio is legal. Users are responsible to have an official licence, where necessary (see country list in the user manuals) and to use only the allowed channel combinations in multi-standard radios.

Other countries:
While CB radios work already according to technically harmonised standards throughout whole Europe, the actual frequency use in different member states is still not harmonised and there are a lot of different regulations how to operate a CB radio with more than only 40 channels in FM. Because many regulations are revised currently, you should have a look to our latest issues of the "radio passports" published on Albrecht's homepage or contact your local radio authority office.
CB is free of licence fees in all countries except Italy, Switzerland and Spain. And in these countries only inhabitants have to pay these fees.

Country list:
80 FM channels: D, CZ, SK (only FM)

40 FM/40 AM channels: B, BG, CH, D, E, F, FIN, FL, I, IR, NL, EST, LV, MC, PL, P, RO, RSM

40 FM: EU and CH, FL, N, IS
(except Austria)

In Austria it is not allowed to use any radio with country switches. We offer special CEPT 40 channel FM radio versions for Austria on request.

CB base station

> ALBRECHT AE 8090

The AE 8090 can be used in the following countries:
- 80 FM channels: D (AM and FM), CZ, SK (only FM)
- 40 FM/40 AM channels: B, BG, CH, D, E, EST, F, FIN, FL, GR, I, IRL, NL, LV, PL, P, RO, RSM
- 40 FM: All EU countries and CH, FL, N, IS (except A)

High quality innovative CB base station for all EU countries, programmable to channel systems (80 FM/40 AM, 40 FM/40 AM, 40 FM channels). The large LC display shows frequency and channel numbers, status symbols, and the analogue values like S-units, power, modulation and SWR can be measured by sensitive moving-coil instruments.

Specifications
►separate on/off switch, volume control ► audio filter ► squelch control ► RF/ Mic-gain ► SWR meter and AM/FM switch ► 5 memory channels ► dual watch (DW) ► ANL for AM • up/down scan ► channel switching with large rotary knob and push buttons on the microphone ► quick channel up/ down ► priority channels 9/19 and a switchable keyboard tone ► High (4 W) and Low (0.5-1 W) power in FM selectable ► sockets for ext. headphones, 6 pin microphone, ext. s-meter and ext. speaker.

► **AE 8090 black:** Ord.-No.: 12890

CB mobil SSB radio

> ALBRECHT AE 5800

A mobile radio with 40 SSB/USB/LSB channels and 40 AM and 40 FM channels. With its blue illuminated display and its rotary knobs the AE 5800 is a real treat. The rubber coated rotary knobs, a clear display and the high level of equipment add to the high handling comfort. Radio amateurs with license are allowed to change their radio to 10 m and 25 W maximum.

► Ord.-No.: 12900

Specifications
►Up-/down-microphone (channel selection can as well be done with rotary knob) ► scan-funktion, up-/down-scan ► RF- and Mic-gain ► memo-scan ► dual watch ► channel memo ► 6-pin mic socket and external speaker socket ► Transmission power is adjustable and you have the choice of 5 memories at your disposal.

The AE 5800 can be used in the following countries:
B. CH, E, FL, I, RSM – licence required
D, F, FIN, GR, LV, NL, PL, P – free for use without licence or fees

CB mobile radio

> ALBRECHT AE 6890

ALBRECHT AE 6890 . . .
. . . no more space to install a CB in your car? Here come the solution :
AE 6890 with remote front panel can be installed at any place on the dashboard of your car for safe and easy control.

You can glue or screw the remote on the small bracket, the cable to the main unit is 2 meter. Beside this unique function the AE 6890 is a full featured top class CB radio

Tone squelch (pilot tone or CTCSS) is a new function in CB radio communication.
So you can build an own group with your friends and colleagues and everybody in this group can listen to the other ones.
With activated TSQ the normal squelch is not activated. The radio has the ability to decode the CTCSS codes always in the best sensitivity and does not react to any noises or external signal without CTCSS.

▶ Ord.-No.: 12669

The AE 6890 can be used in the following countries:

- 80 channels FM (4 W)/40 channels AM (1 W): D (CZ and SK only FM)
- 40 channels FM (4 W)/40 channels AM (1 W): B, BG, CH, D, E, EST, F, FIN, FL, GR, I, IRL, LV, NL, P, PL, RO, RSM
- 40 channels FM (4 W): all EU countries (- A) + CH, FL, N, IS
- 40 channels AM (4 W) /FM 4 (W): E, PL
- 40 channels FM (4 W): Frequencies for UK

Specifications
- 5 Country switching by software operation
- Remote cable length about 2 meter
- Automatic Squelch ASQ and manual squelch SQ
- Graphic LCD display for channel, S-and power meter, frequency and status icons
- Audio tone filter (TON) ▸ Microphone preamplifier (MIC)
- RF gain switch for local/DX operation (LOC)
- External s-meter socket (2.5 mm) ▸ Flash memory for last settings
- Die cast back panel with heat sink (for longer QSOs)
- AM-FM switch ▸ Special channel (PRI), 3 memory channels
- Scan functions for all channels (SC) or special channel dual watch (DW)
- Channel 9 direct key ▸ Key tones and Roger beep selectable
- Automatic Squelch ASQ and manual squelch SQ
- Channel / frequency display selectable
- Flash-EEPROM memory for last setting

Optional Accessories

Microphone extension, 2 m, 6-polig
▶ Ord.-No.: 7625

Front panel cable extension, 2,5 m
▶ Ord.-No.: 5820

We afford you 3 years manufacturer's warranty for the AE 6890.

CB mobile radio

> ALBRECHT AE 5090 XL

AE 5090 XL mobil CB Transceiver with 5 country settings! Outside EU and R&TTE extendable to 240 channels, max. 10 W. Clear and well arranged front panel, as well as excellent display. It is easy to use with rugged controls and large keys. This fantastic mobile cb-radio is the perfect companion for the frequent traveller, who won´t go for second-best. Microprocessor driven with highly sensitive RX, this mobile cb-radio can also be used at home.

The AE 5090 XL can be used in the following countries:

- 80 channels FM/80 channels AM: D (CZ And SK only FM) channels 41 - 80 AM only receiving
- 40 channels FM/40 channels AM: B, BG, CH, D, E, EST, F, FIN, FL, GR, I, IRL, LV, PL, P, RO, RSM
- 40 channels FM/40 channels AM (4 W): PL
- 40 channels FM/40 channels AM (4 W): E
- 40 channels FM CEPT: all EU countries (- A) + CH, H, N, IS

▶ Ord.-No.: 12295

Specifications

- Displayfarbe selectable: red or blue ► Displaycolor double-stage (dimmer)
- ASC Noise Suppression (patent by GPE) now adjustable, separate from squelch settings! ► RF- and Mic Gain ► Channel memory by EEPROM ► Scan Functions ► DW (Dual Watch) ► Dimmer
- Channel selection by rotary knob and up-/down buttons at Microphone ► Up-/Down-Scan ► Memo Scan ► 5 programmable memory channels, separately for AM and FM ► Multifunction LC Display with S-Meter, Modulation-/Power-Meter, status- and channel display ► 6-pin Mic connector - usable for up/down mics or Packet radio modems ► External S-Meter socket ► Up-/Down-Scan ► Memo Scan External Speaker socket ► Detachable DC power cable

CB mobile radio

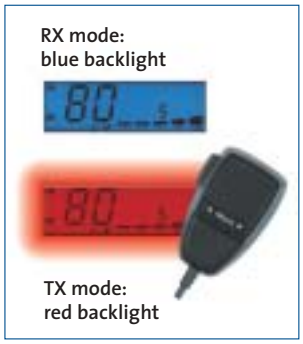
> ALBRECHT AE 5290 XL

Our popular CB AE 5290 comes completely new as the XL version. New backlight, new black front panel and more country versions (5).

The AE 5290 XL can be used in the following countries:

- 80 channels FM/80 channels AM: D (CZ and SK only FM) channels 41 - 80 AM only receiving
- 40 channels FM/40 channels AM: B, BG, CH, D, E, EST, F, FIN, FL, GR, I, IRL, LV, PL, P, RO, RSM
- 40 channels FM/40 channels AM (4 W): PL
- 40 channels FM/40 channels AM (4 W): E
- 40 channels FM CEPT: all EU countries (- A) + CH, H, N, IS

▶ Ord.-No.: 12590



3 Display-Color options

- Blue backlight ► Red backlight
- Blue backlight in RX mode and red backlight in TX mode

Specifications

- Outside EU and R&TTE extendable to 240 channels, max. 10 W
- Channel selection by rotary knob and up/down buttons at microphone
- 5 programmable memory channels
- memo scan ► LC display with s-meter
- power-meter ► status- and channel display
- 6 pin mic connector ► external s-meter- and speaker socket
- Detachable DC power cable ► Dimensions: L: 14, D: 19, H: 4 cm
- Weight: 830 g

CB mobile radio incl. CTCSS

> ALBRECHT AE 6690

The AE 6690 can be used in the following countries:

- 80 channels FM (4 W)/40 channels AM (1 W): D (CZ and SK only FM)
- 40 channels FM (4 W)/40 channels AM (1 W): B, BG, CH, D, E, EST, F, FIN, FL, GR, I, IRL, LV, NL, P, PL, RO, RSM
- 40 channels FM (4 W): all EU countries (- A) + CH, FL, N, IS
- 40 channels AM (4 W) /FM 4 (W): E, PL
- 40 channels FM (4 W): Frequencies for UK

Tone squelch (pilot tone or CTCSS) is a new function in CB radio communication.
This tone squelch replaces the conventional squelch, which reacts on a weaker noise or an increasing field strength. Instead there is an inaudible deep tone in every transmission. This tone will be interpreted by the partner station if this station also is equipped with this function.
The loudspeaker will only turn on, if the device "hear" this tone.
So you can build an own group with your friends and colleagues and everybody in this group can listen to the other ones.
With activated TSQ the normal squelch is not activated. The radio has the ability to decode the CTCSS codes always in the best sensitivity and does not react to any noises or external signal without CTCSS.

- Theoretically there are 48 user groups on each channel possible.
- The first 38 tones are internationally standardised, the codes from 39 to 48 are additionally possible with other AE 6690 at the distant partner stations only.

CTCSS codes are often also described as Sub Channels or Pilot Tone system. This function is also ideal for CB gateways!

▶ Ord.-No.: 12669

Specifications

- Special channel (SCH), 3 memory channels
- Scan functions for all channels (SC) or special channel dual watch (SW)
- Channel 9 direct key
- Key tones and Roger beep selectable
- Time-out-Timer for transmission limitation
- Automatic Squelch ASQ and manual squelch SQ
- Channel / frequency display selectable
- Flash-EEPROM memory for last setting
- Outside EU and R&TTE extendable to 240 channels

We afford you 3 years manufacturer's warranty for the AE 6890.

CB mobile radio

> ALBRECHT AE 6190 HD-X

This Albrecht CB Radio AE 6190 HD-X, developed and manufactured in accordance with the latest CB regulations, offers you:

The AE 6190 HD-X can be used in the following countries:

- 80 channels FM (4 W)/40 channels AM (1 W): D (CZ and SK only FM)
- 40 channels FM (4 W)/40 channels AM (1 W): EU
- 40 channels FM (4 W): Factory setting for Austria EC (on inquires)
- 40 channels FM (4 W)/AM (4 W), - 5 kHz: for Poland
- 40 channels FM (4 W)/AM (4 W): for Spain

Specifications

- Channel selection UP/Down buttons on the radio and at the microphone
- Channel scan button at radio
- Direct channel switching to CH 9 at radio
- LC display for channels and status
- 6-pin standard microphone socket, suitable also for amplifier microphones, selective calling systems or Packet Radio modems/TNC's
- Socket for external loudspeaker

▶ Ord.-No.: 12619

New HD-X version:

- **Flash memory for last settings**
- **5 country switching**
- **Illumination by LED**
- **Top AM modulation**

We afford you 3 years manufacturer's warranty for the AE 6190 HD.

Your AE 6190 HD comes with the following accessories:

- mobile mount
- fixed connected DC power cable with looped-in fuse
- Electret hand-held microphone with pre-amplifier and up/down buttons
- microphone hanger
- various screws to fasten the radio and microphone fixing devices
- User manual with Radio Passport

CB mobile radio

> ALBRECHT AE 4200 R

Our well known AE 4200 in a reduced version with red LED display and without CH 9/19 or scan function. A CB-Radio for all, simple to use. The large display is easy-to-read. The radio provides, separate volume and on/off power switch and fine adjustable squelch control. TX/RX and FM indicator, 4-pin mic socket at the front, speaker socket at the back.

▶ Ord.-No.: 12010

The AE 4200 R can be used in the following countries:

- 80 FM/40 AM channels: D, CZ, SK (only FM)
- 40 FM/40 AM channels: B, BG, CH, D, E, EST, F, FIN, FL, GR, I, IRL, NL, LV, PL, P, RO, RSM
- 40 FM channels: Alle EU-Staaten und CH, FL, N, IS (except Austria)

Specifications

- Large display
- Emergency channel 9 switch
- Channel memory
- Microphone
- Dimensions: 130 x 35 x 170 mm
- Weight: 700 g

CB portable radio

> AE 2980

A solid handheld CB radio with many interesting functions.

Specifications

- 80 channels FM (4 W) 40 channels AM (1 W) and
- 40 channels FM (4 W) 40 channels AM (1 W)
- Up-/down-scan
- 5 freely programmable memory-channels
- Memo scan ► Dual watch
- Switchable power : 4 W/1 W
- Illuminated LCD
- 2,5 mm/3,5 mm microphone/headset sockets as well for data transmission
- automatic power save circuit battery case for 9 x AA size NiMH batteries with combined charge & DC socket and 12 V Slide adapter connection 12 V battery eliminator (option)

Surely important:
The optional accessories

► AE 2980 Ord.-No.: 10100

Optional accessories for AE 2980

Mobilset

► Cigarette lighter plug for car use.
► Ord.-No.: 10109

Desktop charger

► Timer controlled, 3 kinds of charge selectable, quick charge in 4 hours.
► Ord.-No.: 10106

Plug in charger

► Ord.-No.: 10104

12 V Cig. lighter cable

► Power supply cable with 2 A fuse and control LED, lengt: 2,30 m
► Ord.-No.: 7575

12/24 V Cig. lighter cable

► DC converter, 12/24 V, 1200 mAh
► Ord.-No.: 73750

Empty battery pack

► For 9 AA NiCd batteries with combined jack for power supply and charging function.
► Ord.-No.: 10103

Accessories

DIN size mobile mounting bracket

DIN size mobile mounting bracket.
Fits into most car radio installation slot.

► For AE 6690, AE 6190 HD
Ord.-No.: 75430

► For AE 5090, AE 5800, AE 485 W
Ord.-No.: 75440

► For AE 5290
Ord.-No.: 75450, black
Ord.-No.: 75451, silver

► For AE 4200 MC
Ord.-No.: 75480

DC statik converter MW 207

Car charger cable, 12/24 Volt
► Ord.-No.: 73750

CL 27 BNC

High flexible BNC fiberglass antenna with very good transmitting/reception results. Power rating max. 50 W, length 54 cm.

► Ord.-No.: 6577

TNC connection
► Ord.-No.: 6578

Slip-on rubber antenna

Flexible slip-on rubber antenna, useful for all handheld CB´s with telescopic antennas like AE 2100 with a diameter of 10 mm, frequency range: 27 MHz, length: 25 cm.

► Ord.-No.: 6580

Cig.-lighter plug

Cigarette lighter plug, simple type.
► Ord.-No.: 7570

fuse holder

Fuse holder with app. 50 cm cable and 2 A US/Japan-fuse.
► Ord.-No.: 5810

DC cable

For AE 5800 and AE 485 W
► Ord.-No.: 58195

NC B 302
oval 2- pole
► Ord.-No.: 5812

NC B 303
3- pole, with 2 cables z.B. AE 5090
► Ord.-No.: 5813

3-pole power cable for CB-transceivers e.g. older AE 5290 and others
► Ord.-No.: 5815

Feature list

EQUIPMENT	BASESTATION	MOBIL RADIOS							HANDHELD RADIOS
	AE 8090	**AE 5800**	**AE 6890**	**AE 5090 XL**	**AE 5290 XL**	**AE 6690**	**AE 6190 HD-X**	**AE 4200 R**	**AE 2980**
Channel selection (rotary button = DK, Up/Down= U/D)	DK	DK, U/D	DK	DK	DK	DK	U/D	U/D	U/D
Up/Down-Microphone inclusive	X	X	X	X	X	X	X		
Audio output (W/Ω)	3/8	2,5/8	2,5/8	2,5/8	2,5/8	2,5/8	2,5/8	2/8	0,5/8
Scan (U/D= Up/Down)	U/D	X	X	X	X	X	X		X
Number of memories	5	5	3	5	5	3			5
Memo-Scan (U/D= Up/Down)	U/D			X	X				X
Dual Watch	X		X	X		X			X
Direct channel access	9/19	9	9	9		9	9		
Display (LED/LCD)	LCD	LCD	LCD	LCD	LCD	LCD	LCD	LED	LCD
S-Meter	instruments	5	8	5	5	9			
Adjustable mic-gain	microphone	X		X					
Adjustable RF-gain	X	X		X					
Albrecht Super Squelch (ASC) (patent by GPE) /ASQ			ASQ	ASC		ASQ			
S-meter socket	2,5 mm		2,5 mm	2,5 mm	2,5 mm				
Headphone/speaker socket	3,5/6,3 mm	3,5 mm	3,5 mm	3,5 mm	3,5 mm	3,5 mm	3,5 mm	3,5 mm	3,5 mm
Microphone socket	6 Pol.	6 Pol.	6 Pol.	6 Pol.	6 Pol.	6 Pol.	6 Pol.	6 Pol.	2,5 mm
12 V DC supply	X	X	X	X	X	X	X	X	X
Integrated 230 V AC supply	X								
Characteristics			Removable display/ wide angle-display	Display color change-over	Display color change-over/ wide angle-display	CTCSS/ wide angle-display	wide angle-display		
Dimensions (B x T x H)	30/24/8,5	245/155/55	14/14,5/53	15/19/5,5	14/19/4	14/14,5/4	14/14,5/4	13/19/3,5	7/4,5/18
Weight g	3800	1300	980	1060	830	870	820	800	280
Country standard	De2: EU; EC	EU	De1 EU; EC; Po; E; UK	De1 EU; EC; Po; E	De1 EU; EC; Po; E	De1 EU; EC; Po; E; UK	De1 EU; EC; Po; E	De1 EU; EC	De2: EU
Order No.	12890	12900	12689	12295	12590	12669	12619	12010	10100

Country standards - channels - power - frequency range

Country standards	De1	De2	EU	EC	Po	E	UK
Channels FM/AM/SSB*	80/40/-	80/12/-	40/40/40	40/-/-	40/40	40/40	40
Power	4/1 W	4/1 W	4/1/4 W	4W	4/4 W	4/4 W	4 W
Frequency range (MHz)	26,565-27.405	26,565-27.405	26,965-27.405	26,965-27.405	26,960-27.400	26,965-27.405	27.60125-27.99125

*SSB only with AE 5800

Amateur radio

A little history
Amateur radio ("Ham Radio") is an officially allocated radio communications service, open (almost) worldwide to amateur radio enthusiasts if they have taken an appropriate examination and have obtained an amateur radio licence from their telecommunications authority. The amateur radio examination is necessary because it even gives them the right to build their radio sets by themselves or to modify purchased equipment for their own purposes without the equipment itself needs to be „approved". Restrictions for industrially produced sets occur only from the EMC and R&TTE directive of the EU (ready-made sets must show a certain minimum of EMC-safety in accordance with EN-Standards), for the other technical parameters such as compliance with permitted amateur radio frequency ranges and transmitting power each radio amateur is himself responsible. Certainly there are also EU countries which require restricted frequency ranges on VHF/UHF on amateur radio sets for sale in the trade such as Austria, France and Spain. Even if many amateur radio sets have a wider frequency in Germany, radio amateurs are only allowed to operate on the frequencies made available to them, apart from possibly in specific emergency situations. Amateur radio sets must definitely not be used for other purposes even if this were technically possible.

The licence class 3 (Germany only)
Albrecht has taken the latest development into account and offers VHF radio sets in a version totally suitable for the new licence class 3. Therefore, all sets have at least one power switch position where an output below 10 watts is possible.

Albrecht SSB-Radios
10 m SSB-amateur transceivers manufactured by Albrecht are an ideal, economical alternative for the interesting 10 m band.

Information obtainable from
DARC Deutscher Amateur-Radio-Club e.V.
Lindenallee 6
34225 Baunatal
Fax: 0561 9 49 88-61
e-mail address: info@darc.de
From DARC you can also find out about the licence class 3 and obtain the forms for the licence examination.

Amateur radio transceiver

> ALBRECHT AE 540 N

Extremely small, amateur mobile radio unit. Best for use in locations with restrained space. With top power (max. 30 watts), 10 memory locations, the S and PWR meter can be read on its clearly laid out display. The channel spacing is programmable in all worldwide used steps from 5 - 25 kHz. The repeater shift is programmable up to 15.995 MHz. For countries where the frequency range has to be restricted, program bridges, that can be soldered, are provided. The AE 540 comes with DTMF-Microphone.

▶ Ord.-No.: 35400

Optional Accessories

CTCSS Plate for AE 540 N ▶ Ord.-No.: 35410

DTMF Plate for AE 540 N necessarily for DTMF use. ▶ Ord.-No.: 35420

DTMF Microphon ▶ Ord.-No.: 41797

Specifications:

- Frequency range: 136 - 174 MHz FM (restriction possible: 144 - 146 and 144 - 148 MHz)
- Max. Peak deviation: +/- 4 kHz
- Tone call deviation: max. 2,8 kHz
- RX sensitivity: 0,2 µV bei 12 dB SINAD
- RF-Output power: 25 W (Hi), 10 W (Lo)
- Antenna socket: UHF (PL-Type) 50 Ohm
- Power supply: 13,8 V +10 %/ - 20%
- Dimensions(B x H x T): 130 x 25 x 125 mm (incl. radiator box)
- Weight: ca. 800 g

Amateur radio transceiver

> Ultra Force

Specifications
► Microprocessor controlled ► Full 10 meter coverage ► AM/FM/USB/LSB/CW ► 30 watts PEP - variable RF power ► 1 kHz/10 kHz/100 kHz selectable frequency resolution ► 5 memory channels ► SWR meter

Controls and specifications
► Microphone gain/RF gain control ► SWR calibrate/RF output power control ► TURBO digital echo volume/delay control ► Clarifier/all mode talk back control Frequency control ► Roger beep with on/off control ► S/RF meter with night illumination ► 5 memory channels ► 2 step dimmer control ► 1 kHz/10 kHz/ 100 kHz step control ► Call frequency control ► 2 speed frequency scanning control ► Last channel recall-frequency and mode ► Liquid crystal display (LCD) with night illumination ► Power microphone with up/down frequency controls

On rear panel: Extra large, heavy duty aluminum heatsink. External speaker socket ► CW-key socket ► DC power socket

▶ Ord.-No.: 35500

Amateur radio transceiver

Amateur mobile radio

> ALBRECHT AE 485 S

A 10 m mobile radio with a continuous frequency range of 28.000 - 29.699 MHz (extendable to 25.165 - 29.695 MHz). Features: 5 programmable memories, repeater shift, memory scan and dual watch. The AE 485 S has a continuous adjustable transmitting power of up to 25 W.

For Thomas Kamp from Cologne it´s been "love on first sight". He defines the AE 485 S in the CQDL as a "fun pack for mobile and holidays" and says: " To the further credit points count excellent usability, moderate size of the control elements, scan, well readable LC-display, good modulation, microphone with up/down-buttons and tone call." Furthermore, he outlined the comprehensible manual, the price, as well as the fun reaching stations based in South and Eastern Europe, Israel, South Africa and Brazil.

25 W

▶ Ord.-No.: 35511

Specifications:

► Modes:	A3E, F3E, J3E (USB, LSB)
► Supply voltage:	10.8-15.6 V DC
► Spurious:	min. 65 dB
► RX sensitivity:	0,5 µV EMK FM/SSB 0,9 µV EMK AM bei 12 dB SINAD
► Adjacent channel receiver selectivity:	60 dB FM/AM 70 dB SSB
► NF-output power:	2,5 W an 8 Ohm
► Transmitting power:	max 6 W AM, 25 W FM, 25 W SSB

Amateur radio transceiver

> ALBRECHT AE 497 W

This 10 m SSB unit works in the frequency mode from 28.000 - 29.699 MHz with 1, 10, 100 kHz steps. The repeater shift is programmable up to 600 kHz. Extension to channel mode with 454 channels (10 bands) is possible to 25.165 - 29.695 MHz, incl. „A"-channels, display can either indicate channel or frequency. Operation modes AM, FM, SSB with clarifier for frequency. Operation modes AM, FM, SSB with clarifier for frequency adjustment, up/down scan, switches for RF gain, mic gain and tone call. The AE 497 W radio station disposes of 5 programmable memory channels, memoscan and dual watch. Variable power control.

25 W

▶ Ord.-No.: 35511

Specifications

► Modes:	A3E, F3E, J3E (USB, LSB)
► Supply voltage:	230 V
► Tone call:	1750 kHz
► Tone call deviation:	ca. 3 kHz
► Spurious:	min. 65 dB
► RX sensitivity:	0,5 µV EMK FM/SSB 0,9 µV EMK AM bei 12 dB SINAD
► Adjacent channel receiver selectivity:	60 dB FM/AM 70 dB SSB
► NF output power:	2,5 W an 8 Ohm
► Transmitting power:	6 W AM, 25 W FM, 25 W SSB

Amateur handheld radio

Dual-Band Amateur handheld radio

> ALBRECHT DB 270

Dual-Band, Dual-Display, Dual-Frequency and Dual-standby
A/B key : switch Band A or Band B
TDR key: switch dual or single band
Digital FM radio function
Automatic tuning and storing (20 max.) also with frequency display.
You can select from 76 - 108MHz, almost covers the world radio stations.

Specifications

- Dual Frequency, Dual Display and Dual Standby
- VHF&UHF, UHF&UHF or VHF&VHF working modes
- Frequency Range:
  136 - 174MHz, 400 - 470MHz
  136 - 174MHz, 245MHz
  136 - 174MHz, 450 - 520MHz
- Bright Flashlight Illumination Function
- Voice Prompt (Chinese/English) ► 128 memory channels
- VOX Function ► High/Low power selection

► Ord.-No.: 35270

- Digital FM radio (Automatic tuning and storing, radio frequency display) ► Low-voltage voice prompt
- Wide/Narrow Bandwidth selection (25KHz/12.5KHz)
- Channel Name edit and display ► 105 groups DCS/50 groups CTCSS
- Stopwatch Function ► Busy Channel Lockout ► Transmit Over Timer
- Step (5K/6.25K/10K/12.5K/25K/50K/100K ► Multiple scan modes
- Keyboard lock (Auto/Manual) ► Wire clone function
- Programmable by computer
- Dimension 58 x 105 x 38 (mm) ► Weight 250 g

Accessories in option

- MA 21-K, clip microphone/earphone Ord.-No.: C843
- MA 22-K, clip microphone/earphone, Ord.-No.: C844
- USB cable, Ord.-No.: 35275
- 12 V car cable for charger DB 270, Ord.-No.: 7571
- Recharcheable battery 1700 mAh, Ord.-No.: 35278
- 12 Volt adapter, Ord.-No.: 35279
- Batteriepack, Ord.-No.: 35274
- Lether bag, Ord.-No.: 35277

MA 21-K

MA 22-K

Amateur radio accessories

MGA 108 - 550

1/4 wave antenna whip made out of stainless steel. Comes with stainless steel spring. Supplied with cutting chart for frequency setting. To be mounted on a DV base.

SWR:	<1,2
Frequency:	108 - 550 MHz
Bandwidth at V.S.W.R. 2:1:	16 MHz at 140 MHz
V.S.W.R. at res freq.:	< 1,4:1 at 140 MHz
Max Power:	100 W
Height (approx.):	670 mm

► Ord.-No.: 6239

SMA 47/135 Dual Band

5/8 wave open coil whip made out of stainless steel. Supplied with cutting chart for frequency setting. To be mounted on a DV base.

Gewinn/Gain:	1,5 dB
SWR:	<1,2
Frequency:	135 - 175 MHz turnable 46.5 - 61.5 MHz
V.S.W.R. at res freq.:	< 1,2:1 at 140 MHz
Max Power:	100 W
Height (approx.):	1505 mm

► Ord.-No.: 6237

Dualband antenna

140 - 150 MHz/430 - 440 MHz, Length 53 cm

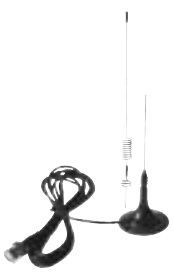
► Ord.-No.: 62381

DV-S antenna mount

DV-S-antenna mount, flat type.
Installation hole 13 mm.

► Ord.-No.: 67800

Miniscan



Minimagnet mount scanner, ham radio antenna. Comes with 2,7 m RG 174 cable with BNC plug.

Frequency range: 0,5 - 2060 MHz (receipt/RX), 145 - 435 MHz (send/TX)
Powerrat: max 50/25 W
Length: 32 cm

► Ord.-No.: 6158

Expander 500

Technical standard like the legendary Turner-microphone - with a high quality dynamic cartridge, impedance transformer and audio-compression amplifier. Expander is equipped with a built-in VU-meter for modulation and battery control as well as slide controls for volume and tone. Expander can match nearly any microphone or PTT circuit of CB and amateur radios. With 6 pin microphone connector.

► Ord.-No.: 4130

Densei EC 2002

High quality Echo Microphone.
Impedance: 3000 Ohm
Sensitivity: -62±3 dB
Frequency response: 150 Hz - 3500 Hz
Weight: 225 g
Dimensions: 100 x 68 mm
Microphon: Omni-directional electret condenser
Power supply: 9 V Batterie

► Ord.-No.: 4215

DMC 2

High quality dynamic microphone with 4 pin connector for use with various transceivers.

Wiring:
1. Audio/AF
2. Ground/GND
3. PTT RX
4. PTT TX

► Ord.-No.: 41991

DMC 520 -6/-4

DMC 520-6
High quality dynamic microphone in a classical design complete with 6 pin microphone plug as per ALBRECHT/GDCH standard.

► Ord.-No.: 41966

DMC 520-4
Same as above but with 4 pin microphone plug (AE 4200 as well).

► Ord.-No.: 41964

DMC 520 U/D
Same as 41966, but with up/down buttons for channel selection.

► Ord.-No.: 41965

Replacement microphone

Microphone for AE 4200 MC

► Ord.-No.: 41976

Microphone for AE 4090 MC

► Ord.-No.: 41975

Microphone for AE 4200 R

► Ord.-No.: 41982

ALBRECHT SM 400 speaker mike

A loudspeaker microphone with clip and helix cable.

► Ord.-No.: 41780

AE 4197

Original electret replacement microphone with Up/Down channel exchange controls for use with ALBRECHT transceivers, comes with 6 pin microphone plug.

► Ord.-No.: 4197

ALBRECHT SM 500 speaker mike

Speaker microphone
This lightweight, mini sized microphone designed for light duty applications. Each unit features a powerful speaker as well as a high quality condenser-style microphone element that produces excellent transmitted audio clarity. A 360 degree revolving stainless clip on the back of the microphone can be secured to the user´s lapel or shoulder. This unit is made to meet IP-54. Connector: 2.5/3.5 mm

► Ord.-No.: 41750

Specifications						
Microphone	Expander 500	Densei EC 2002	DMC 520 -6/-4	DMC 2	AE 4197	SM 400/500
Sensitivity	70 mV/µbar	1 mV/µbar	0,3 mV/µbar	0,3 mV/µbar	2 mV/µbar	2 mV/µbar
Max. output level	500 mV	ca. 100 mV	30 mV	30 mV	200 mV	200 mV
Frequency range	250 - 5000 Hz	150 - 3000 Hz	300 - 7000 Hz	200 - 5000 Hz	100 - 8000 Hz	100 - 7000 Hz
cartridge	dynamically	electret	dynamically	dynamically	electret	electret
power supply	9 V battery	9 V battery			Microphone connector	Microphone connector
Ord.-No.	4130	4215	41966/41964 41965/41963	41991	4197	41780/41750

Microphone spiral cable

6-pole mic cord, spiral type, length:1,50 m

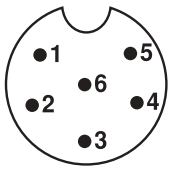
► Ord.-No.: 7620

6-pole mic cord, spiral type, length 2,80 m.

► Ord.-No.: 7621

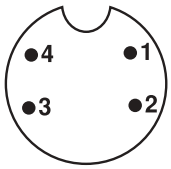
Albrecht Mike connectors

Solder-side 6 pin microphone connector



1 = Audio/Modulation
2 = PTT-RX (receiver)/
Packet Radio Decoder.
3 = PTT-TX (Sender)
4 = Up/Down
5 = Ground
6 = 10 - 15 V

Solder-side 4 pin microphone connector



1 = Mic
2 = Ground
3 = RX
4 = TX

Cable extension

Microphone cable extension
ca. 2 m, 6-pole

► Ord.-No.: 7625

Front section cable extension
ca. 2,5 m for AE 6890

► Ord.-No.: 5820

Microphone mounting plate

Screw type

► Ord.-No.: 7560

Magnetic and screw type

► Ord.-No.: 7550

Speaker

CB 20/905

High quality extension speaker with switchable noise filter and mute function. Very good voice reproduction. Incl. mounting set and cable with 3.5 mm plug.

frequency range: 250 - 8000 Hz
Impedance: 8 Ohm
power: 7 W

► Ord.-No.: 7120

CB-250

Solid extension speaker complete with mounting set, cable and 3.5 mm plug. The big sized speaker cone enables a high efficiency together with clear voice reproduction.

Frequency range: 200 - 7000 Hz
Impedance: 8 Ohm
Power rating: 7 W

► Ord.-No.: 7117

CB 150

Softline extension speaker complete with mounting accessories, cable and 3.5 mm plug. Due to its mylar cone the speaker can be also be used in humid area.

Frequency range: 300 - 7000 Hz
Impedance: 8 Ohm
Power rating: 5 W

► Ord.-No.: 71150

CB 45

Extension speaker in classical design, complete with mount, cable and 3.5 mm plug.

Frequency range: 300 - 7000 Hz
Impedance: 8 Ohm
Power rating: 5 W

► Ord.-No.: 7113

CB 12

High efficient mini extension speaker with clear voice reproduction. Due to mylar cone this speaker can be used in areas with high humidity. Incl. mounting accessories, cable and 3.5 mm plug.

Frequency range: 300 - 7000 Hz
Impedance: 8 Ohm
Power rating: 5 W

► Ord.-No.: 7112

Specifications					
Speaker	CB-20	CB-250	CB-150	CB-45	CB-12
Frequency range	250 - 8000 Hz	200 - 7000 Hz	300 - 7000 Hz	300 - 7000 Hz	300 - 7000 Hz
Impedance	8 Ohm	4 Ohm	8 Ohm	8 Ohm	8 Ohm
Power	7 Watt	7 Watt	5 Watt	5 Watt	5 Watt
Case dimensions	110x90x35 mm	130x79x56 mm	90x90x55 mm	66x66x54 mm	74x68x28 mm
Ord.-No.	7120	7117	71150	7113	7112

Power supplies

SW 35

Switching power supply for
CB and other use.

Power input: 220 - 230 V/50 Hz
Output voltage: 13,8 V
Output current: max. 3 - 5 A

► Ord.-No.: 47500

SW 57

Switching Power supplies for CB and others. Short circuit protection.

Power input: 220 - 230 V/50 Hz
Output voltage: 13,8 V
Output current: max. 5 - 7 A

► Ord.-No.: 47510

SW 79

Switching Power supplies for
CB and others.

Power input: 220 - 230 V/50 Hz
Output voltage: 13,8 V
Output current: max. 7 - 9 A

► Ord.-No.: 47520

SW 102

Switching Power supplies for
CB and others. 10 - 12 A.

Power input: 220 - 230 V/50 Hz
Output voltage: 13,8 V
Output current: max. 10 - 12 A

► Ord.-No.: 47530

Inverter

Inverter provide 230 V to your electrical equipment´s anywhere you have 12 or 24 V power available. Ideal for boat, trucks, camping . . .

USB INV 150 W 12/24 V

Mobile power for cars, trucks, boats and camping. The inverter provide 230 V to electrical equipments anywhere for 12 or 24 V power available.
Built-in USB port, can charge USB devices (like i-pod, cell phone) via the USB charge port, allowing max. portability of electronic accessories

► Ord.-No.: 47871 = 12 Volt
► Ord.-No.: 47870 = 24 Volt

Ausstattung:	
Output power:	150 W continue
Output power:	300 W peak
Input voltage range:	10 - 15 V DC (12 V Version)
Input voltage range:	20 - 30 V DC (24 V Version)
USB power output:	DC 5 A, 500 mA
Battery low:	LED
battery low shutdown:	under 9,5/19,5 ± V
Cooling:	cooling ribs
Fuse:	15 A x 1 (12 V), 10 A x 1 (24 V)
Dimensions B/H/T:	94 x 69 x 165 mm
Weight:	520 g

Inverter

INV 150 W 12/24 V

Inverter for max. 150 W power, overload control (LED). For single 230 V appliances, like shavers, small TV sets, notebook computers, CD/ DVD player, typical small 230 V appliances with wall adaptors, energy saving lamps.

► Ord.-No.: 47860 = 12 Volt/47861 = 24 Volt

INV 300 S 12/24 V

Inverter for max. 300 W power, overload control (LED), cooling fan. For single 230 V appliances, portable TV sets, small stereo sets, video recorders, electronic tools and soldering devices, hot melting glue tools, lighting, portable coolers, or as 230 V board network in smaller campers or boats.

► Ord.-No.: 47862 = 12 Volt/47863 = 24 Volt

INV 600 W 12/24 V

Inverter for max. 600 W power, overload control (LED), cooling fan, optical battery indicator. For all electrical appliances with European 2.5 A flat connector, computers and accessories, smaller electric tools, like saws, standard drilling machines, soldering devices, water pumps, fridge, or as 230 V board networks in mobile homes.

► Ord.-No.: 47867 = 12 Volt/47864 = 24 Volt

INV 1200 S 24 V

Inverter for max. 1200 W power, overload control (LED), cooling fan, optical battery indicator, 2 outlets for 230 V. For small and medium size electric tools, 230 V appliances up to power classes of vacuum cleaners, hair dryers, coffee machines, fridge and freezers, or as 230 V board network in mobile homes or boats.

► Ord.-No.: 47872 = 12 Volt/47865 = 24 Volt

RC 1000 - remote control for: INV 1200 W, 24 V
► Ord.-No.: 47866

Specifications				
Inverter	INV 150 12/24	INV 300 12/24	INV 600 12/24	INV 1200 24/12
Output voltage	150 W constant 300 W surge	300 W constant 350 W (30 Min.) 600 W surge	600 W constant 800 W (30 Min.) 1500 W surge	1200 W constant 1400 W (30 Min.) 2400 W surge
Input voltage	10 - 15 V (12 V version) 20 - 30 V (24 V version)	10 - 15 V (12 V version) 20 - 30 V (24 V version)	10 - 15 V (12 V version) 20 - 30 V (24 V version)	20 - 30 V
Battery loss/overload alarm	LED	LED	LED	LED
Battery shutdown	below 10/20 V	below 10/20 V	below 20 - +0,8 V	below 20 - +0,8 V
Cooling	heat sink	Ventilator over40° C	Ventilator over 60° C + 5° C	Ventilator over 60° C + 5° C
Fuse	15 A x 1 (12V), 10 A x 1 (24 V)	35 A x 1 (12V), 20 A x 1 (24 V)	20 A x 5 (12V), 20 A x 3 (24 V)	20 A x 5
Dimensions	143 x 73 x 70 mm	194 x 90 x 75 mm	213 x 200 x 70 mm	390 x 210 x 85 mm
Weight	500 g	900 g	2000 g	3900 g
e/CE	e 13/21414 CE	e 13/021559 CE	e 13/0211803 CE	e 13/0214133 CE
Ord.-No.	47860/47861	47862/47863	47867/47846	47865/47872

Voltage converter 24 V DC - 12 V DC

PV 3S
► Ord.-No.: 47830

PV 6S
► Ord.-No.: 47831

PV 12 S
► Ord.-No.: 47832

PV 18 S
► Ord.-No.: 47833

PV3S
► Ord.-No.: 47834

These products offer a convenient way to operate mass produced 12Vdc equipment such as cell phones, in car entertainment, professional communication and telematics equipment, refrigerators, televisions etc. from the 24Vdc mobile electrical systems found on diesel engined vehicles and vessels.

A Comprehensive Range
There are 10 products in the range from 3A to 24A in isolated or common earth configurations. They have been optimised for high volume 24Vdc to 12Vdc applications such as on heavy goods vehicles, coaches, buses, construction, forestry and agricultural vehicles, commercial and leisure marine vessels.

Tamper Proof
There are no ventilation holes to permit stray objects, dust or water droplets to enter the case. There are no external fuses to be tampered with. Fuses will only blow if there is a fault so there is no need to make them accessible.

All PowerVerters are enclosed in a rugged aluminium extrusion. The low mass Surface Mount Technology components are also less prone to damage from vibration and shock, further increasing the reliability of the units.

3Amp units are excellent for charging mobile phones, while 6A units suit a variety of mobile radio applications.

Galvanically isolated units are suitable for marine applications and come complete with the green tamperproof label for petrochemical applications.

Fast Installation
All the units consume an off load current of less than 15mA, which is probably less than the self discharge current of the vehicle's battery. In most cases this can be ignored, speeding the installation by removing the need to fit a remote switch. All products fit onto a 'Click 'n' Fit mounting clip which is fixed in three points allowing it to be mounted on uneven surfaces. It is easy to fit the clip into awkward places and then simply click the unit into position. A red LED indicates when there is output from the converter. This gives reassurance to the installation engineer and speeds fault finding.

Easy 6 Step Installation Method
1. Find a convenient location away from sun and rain.
2. Using the mounting clip as a template, mark fixing positions.
3. Drill screw holes.
4. Fix bracket using screws provided.
5. Clip PowerVerter to mounting bracket.
6.Correctly connect to load.

Product benefits at a glance

- **Lifelong warranty**
- High performance
- Low heat emissions
- Dust and waterproof
- Excellent installation possibilities
- Compact, sealed cooling unit

Typical Applications
Installations of mobile and cellular radio communications equipment, telemetry systems, refrigeration, televisions etc on trucks, buses, forestry and off road vehicles as well as boats and yachts and a variety of industrial applications. For a wider range of input and output voltages, see the DD Series.

Alfatronic converters will built in following yachts
► Princess ► Sunseaker ► Swan ► Cranchi

Technical datas

Input voltage range:	17 bis 32 V DC
Output voltage:	13.6 V DC
Operation temp.:	-25° C to +80° C
Operation humidity:	95 % max., non condensing
Case work	Aluminium and Polycarbonate. Dust water and impact resistance to IP5-33
Connections:	Five 6,3 mm push-on flat blade connectors (PV35 -A)
Power flow display:	Red LED
Over current protection:	Current sensing circuit
Overheat protection:	Temperature sensing circuit
EN standard compliance:	2004/108/EC the general EMC directive 2006/96/EC the automotive directive 93/68/EEC the CE marking directive VIDG5 AES for use on police and fire vehicles
Certifications:	CE- and e marked, FCC class B

Voltage (intermittent):		
	PV 3 S:	3/6 A
	PV 6 S:	6/10 A
	PV 12 S:	12/18 A
	PV 18 S:	18/24 A
	PV 24 S:	24/30 A

ECV 810

Voltage reducer with small dimensions.

Dimensions B/T/H:	120 x 165 x 40 mm
Output max. 15 Min.:	8 A
Continuous:	4 A
Short peak:	10 A
Overload protection:	ja
Dimensions:	175 x 122 x 35 mm
Weight:	80 g

► Ord.-No.: 47751

CB-Radio mobil antennas

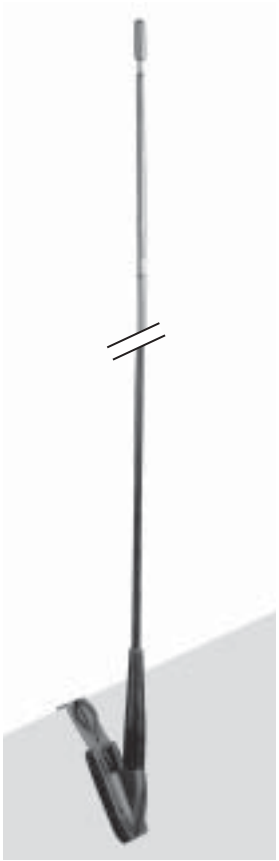
DV 27

T 27

T 27 5/8

Extrem small

AF 393



Specifications				
Model	DV 27	T 27	T27 5/8	AF 393
Type	1/4 Lambda	1/4 Lambda	1/4 Lambda	1/4 Lambda
Channels	80	80	80	80
Max. power	80 Watt	150 Watt	50 Watt	10 Watt
Length	140 cm	60 cm	61 cm	65 cm
Fibre glass whip	X	X	X	X
stainless steel whip				
hole diameter	12,5 mm	12,5 mm	12 mm	
SWR tuneable	X	X	X	
SWR pretuned				X
Accessories	DV-mount 4 m cable	DV-mount 4 m cable	DV-mount 4 m cable	3 m cable
Infos				Incl. adapter Ord.-No.: 5856
Ord.-No. Whip only, Ord.-No.	6700	67110	6201 6202	6220

CB-Radio mobil antennas

Racer 60/90 Trucker 14 DV 27 U High Power 3000 GL 27

New version!

Especially for Trucks and Mobile Homes

No grounding necessary!

Specifications						
Model	Racer 60	Racer 90	Trucker 14	DV 27 U	High Power 3000	CB-27
Type	1/2 Lambda	1/2 Lambda	5/8 Lambda	1/2 Lambda	5/8 Lambda	1/4 Lambda
Channels	150	120	240	130	CB + 10 m	120
Max. power	100 Watt	100 Watt	500 Watt	150 Watt	1200 Watt	50 Watt
Length	69 cm	115 cm	ca. 150 cm	85 cm	174 cm	114 cm
Fibre glass whip			X			X
Stainless steel whip	X	X		X	X	
Hole diameter	13 mm	13 mm		13 mm		
SWR tuneable	X	X	X	X	X	
SWR pretuned						X
Accessories	DV-mount 4 m cable	DV-mount 4 m cable	mirror mount, 2,8 m cable, PL 259	DV-mount 4 m cable		4 m RG 58 cable white
Infos	SWR fine tuning by special rings	SWR fine tuning by special rings	open coil		27 - 28,5 MHz PL 259 connection	mirror mount
Ord.-No.:	67140	67130	6680	67160	6315	6351
Whip only Ord.-No.	67141	67131				

CB-Radio mobil antennas

Gamma II F

AE S9 Plus

Mythos 900 S

Ninja

Specifications				
Model	Gamma II F	AE S9 Plus	Mythos 900 S	Ninja
Type	1/4 Lambda	5/8 Lambda	5/8 Lambda	5/8 Lambda
Channels	120	200	200	120
Max. power	500 Watt	500 Watt	150 Watt	300 Watt
Length	93 cm	150 cm	75 cm	95 cm
Fibre glass whip	X			
Stainless steel whip		X	X	X
Hole diameter	13 mm	12 mm	12,5 mm	13 mm
SWR tuneable		X		X
SWR pretuned	X		X	
Accessories	DV-mount 4 m cable	DV-mount 4 m cable	DV-mount 4 m cable	black DV-mount 4 m cable
Infos	pretuned, no tuning needed		27 - 28,5 MHz PL 259 connector	
Ord.-No.:	6725	6291	67170	67230

CB-Mag mount mobil antennas

Ministar 27 | ML 145 MAG ML 145 PL | ML 130 | CB 95 | CBM 108 | Mag Star 27

Small and strong!

Neu!

New version!

Specifications						
Model	Ministar 27	ML 130	ML 145/145 PL*	CB 95	CBM 108	Mag Star 27
Type	1/4 Lambda	5/8 Lambda	5/8 Lambda	1/4 Lambda	1/4 Lambda	1/4 Lambda
Channels	80	100	100	80	40	80
Max. power	25 W SSB/10 W FM	300 Watt	200 Watt	100 Watt	30 Watt	50 Watt
Length	31 cm	100 cm	148 cm	112 cm	90 cm	63 cm
Fibre glass whip				X		
Stainless steel whip	X	X	X		X	X
SWR tuneable	X	X	X	X	X	X
SWR pretuned	X					
Accessories	3 m RG 174, PL 259	4 m RG 58	4 m RG 58, PL 259	4 m RG 58, PL 259	3,5 m RG 58, PL 259	4 m RG 58, PL 259
Infos	mag mount, ⌀ 30 mm	mag mount, ⌀ 90 mm	mag mount, ⌀ 120 mm *Stainless steel whip	mag mount, ⌀ 120 mm	mag mount, ⌀ 90 mm	mag mount, ⌀ 100 mm
Ord.-No.	65260	6330	6305	6522	65215	65250
Whip only Ord.-No.:			6310			

CB-Radio homebase antennas

GPA 27 5/8 and GPA 27 1/2

GP 27 5/8
High quality 5/8 wave homebase antenna made of anti-corroding aluminium to extend the performance and stability. Comes with 3 radials (1 m) and mounting set. SWR tunable.

► Ord.-No.: 63700

GP 27 1/2
Similar to above, but halfwave version without radials.

► Ord.-No.: 6348

Boomerang

1/4 wave homebase antenna for mounting on roof or balcony.
The aluminium radiator has a length of 300 cm.
SWR adjustment by tuning tip on short radiator.
Comes with mounting set.
SWR: <1,2

► Ord.-No.: 6350

Mini Boomerang

Halfwave homebase/balcony antenna with 2 helical radiators. SWR adjustment by tuning tip. Comes with mounting set.

► Best.-Nr.: 6360

New Vector 4000

3/4 wave antenna, CB & 10 m Base station antenna, omnidirectional, tunable by whip length adjusting, high power handling capability, made of aluminium alloy 6063 T-832, UP-GRADE: Lower radiation angle for the best DX, new tuning possibility

► Ord.-No.:6340

Hurricane/ Storm 27

Half wave antenna that can be installed in any place like attic, balcony and others. SWR adjustment is not required but the connecting cable should have a length corresponding to instruction manual. Comes with mounting set.

► Ord.-No.: 63570

Specifications						
Model	GPA 27 1/2	GPA 27 5/8	Boomerang	Mini Boomerang	New Vector 4000	Hurricane/Storm 27
Type	1/2 Lambda	5/8 Lambda	1/2 Dipol	1/2 Dipol	3/4 Coaxial J-Pol	1/4 Lambda
Channels	200	200	200	150	120	100
Max. power	1000 Watt	1000 Watt	300 Watt	150 Watt	1000 W/shorttime 3000 W	100/300 Watt
Length	5,5 m	6,6 m	3 m	1,85 m	8,48 m	ca. 1 m
SWR pretuned					incl. list	yes
Bandwidth	26 - 28 MHz	26 - 28 MHz	2000 kHz	1500 kHz	1400 kHz	26 - 28 MHz
SWR min.	1,2	1 : 1,5	1,2	1,3	1 : 1,2	1 : 1,5
Material	Aluminium	Aluminium	Fibre glas/Alu	Fibre glas	Aluminium, Steel, Nylon	PVC
Ord.-No.:	6348	63700	6350	6360	6340	63570

AE Marine Masttop 3200

AE Masttop 3200
Flexible UKW marine radio antenna for sailing boats - ideal for mast mounting. Length ca. 1 m with stainless steel whip. Comes with 18 m cable and 2 x PL 259 connector

► Ord.-No.: 64130

AE Marine 5/AE Marine 8

AE Marine 5
UKW marine radio antenna for motorboats. Ca. 1,6 m fibre glass whip. Antenna mount topple over, white plastic. Comes with ca. 4 m cable and PL 259 connector.

► Ord.-No.: 64100

AE Marine 8
Same like above, but with 2,4 m fibre glass whip.

► Ord.-No.: 64120

AE 907 Mastholder

For marine radio antennas, recommended for AE Marine 8 antenna.

► Ord.-No.: 64140

Accessories for antennas

CX 201

CX 201: Solid state 2- way antenna switch in heavy diecast quality. Enables to connect two antennas to one transceiver or the other way round. With PL-connectors.

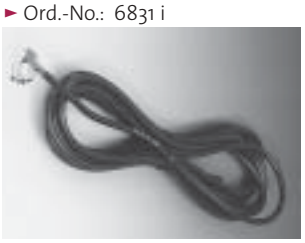
Frequency range: 1,8 - 470 MHz
Insertion loss: 0,2 dB
Max. power input (depends on frequency): 1000 W

► Ord.-No.: 7401

DV cable

DV-Kabel
4 m RG 58 U cable with
DV-Right angle connector.

► Ord.-No.: 6831 i



DV-cable
Same as 6831 with additional PL-Plug.

► Ord.-No.: 6833

SWR-Meter

CB-Master SWR 20/30

Compact sized SWR meter for a quick measuring and adjustment of CB-antennas. Model SWR 30 with additional RF-power section for a quick reference of the main CB-data.

Frequency range:	3,5 - 50 MHz (SWR), 26 - 30 MHz (Power)
Power SWR:	1:1 - 1:3
Impedance:	50 Ohm
Deviation:	±/- 5 %
RF output (only SWR 30):	0 - 10 W
Dimensions:	85 x 55 x 30 mm

► Ord.-No.: 4410 - SWR 20
► Ord.-No.: 4412 - SWR 30

Coax cable

High quality Coax cable for hobby or professional use.

RG 58
Diameter 4,95 mm,
Attenuation 10,9 dB/100 m (50 MHz)

► Ord.-No.: 7460/AL 35

RG 58
Same like Ord.-No. 7460, but white color.
► Ord.-No.: T 200

RG 213
Diameter 10 mm,
Attenuation 4,4 dB/100 m (50 MHz)
► Ord.-No.: 7462

Coax inter-cable

Coax cable
2 x PL-259/6
Length: 50 cm

► Ord.-No.: 7580

Coax inter-cable
Länge: 100 cm

► Ord.-No.: 7582

Coax inter-cable
Länge: 150 cm

► Ord.-No.: 7581

Coax inter-cable - Ideal for use with balcony antennas.
Length: 10 m

► Ord.-No.: 75820

AKM 27

Artificial ground. Ideal for mounting CB mobile antennas on cars with plastic body like mobile home and so on.
Max. power input: 10 Watt

► Ord.-No.: 68440

Artificial ground: Ideal for mounting CB mobile antennas

Accessories for antennas

DV antenna mount

DV- antenna mount.
Installation hole 11 mm.

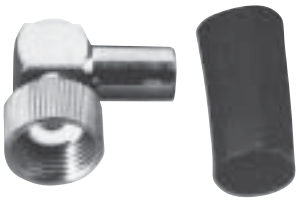
► Ord.-No.: 6770

DV-S antenna mount

DV-S-antenna mount, flat type.
Installation hole 13 mm. For use with mobil whip Ord.-Nr.: 6190, 6199, 6206 and 6208.

► Ord.-No.: 67800

NC-570 DV



DV-plug, right angle type

► Ord.-No.: 6800/T 370

DV 27 PL

Antenna mount for antenna with UHF connection and DV connector (e.g. ML145).

► Ord.-No.: 67771

Wing nut

Wing nut and bolt for DV-antennas.

► Ord.-No.: 6820

Anti thief set

Anti thief set for DV antennas with special spanner and key bunch.

► Ord.-No.: 6822

Accessories for antennas

Steel mount

SP-S: INOX steel mount for antennas. INOX steel trunk mount, with a double inclination for mobile antennas. The mount is supplied with a hole fixing reducer and a rubber protection for the car body.

► Ord.-No.: T752

Gutter mount

Gutter mount clamp for mobile antennas. Black anodised.

► Ord.-No.: 6943

Mirror bracket

Universal mirror bracket for trucks. Useable for 3/8“- or DV mounts.

► Ord.-No.: 6814

Alu mirror mount

Universal mirror mount. Accepts 3/8” or DV mounts. For horizontal or vertical mounting. Very heavy duty type made from Aluminium, silver.

► Ord.-No.: 6197

AM 701 Antenna mount

Antenna mount for 3/8“ antennas. Incl. 2,75 m cable

► Ord.-No.: T795

3/8“ adapter for DV-antennas.

► Ord.-No.: 6280

Window clip mount

Window clip mount for use with antennas with BNC connector. Comes with 2,50 m RG 174/U coaxial cable and mounted BNC plug. Optimum suitable for ham radio, scanners and CB-transceivers.

► Ord.-No.: 6676

Magnetic mount

BM 150 DV
Magnetic mount for use with DV antennas, black colour. Comes with cable (length 3,90 m), PL-plug and rubber boot. Diameter 15 cm.

► Ord.-No.: 6781

BM 150 PL
Same as above, but with PL (SO 239) antenna connector.

► Ord.-No.: 6782

Replacement rubber boot

► Ord.-No.: 67821

Magnetic mount

BM 125 DV
Very strong magnet mount for use with DV-antennas. Comes with 4 m DV cable and PL connector. Diameter 12,5 cm.

► Ord.-No.: 67840

Window clip mount

Window clip mount for use with antennas with BNC connector. Comes with 2,50 m RG 174/U coaxial cable and mounted BNC plug. Optimum suitable for ham radio, scanners and CB-transceivers.

► Ord.-No.: 6676

Mini magnet mount

Very strong mini magnet mount (dia. Ø 35 mm!). With BNC female mount for rubber and short telescopic antennas. Comes with a 2,40 m low loss RG 174 cable with mounted BNC male connector.

► Ord.-No.: 6677

Window vacuum mount

Window vacuum mount for use with antennas with BNC connector. Comes with 1,80 m cable with BNC plug.

► Ord.-No.: 66790

HF connectors and adaptors

NC 551/PL 259

PL male connector for
RG 213/U/8/U Teflon isolation

► Ord.-No.: T 205

NC 551/2/PL 259/6

PL-male connector for
RG 58/U Teflon isolation

► Ord.-No.: T 377

Twin Blister pack

► Ord.-No.: 50120

NC 572

PL-connector for RG 58/U
short type, Teflon type

► Ord.-No.: T 292

NC 577/2 PL 259

PL-male connector with
right angel output

► Ord.-No.: 5260

SO 239 SH, NC 554

PL-receptacle for single hole
mounting rear mounting

► Ord.-No.: 5040

NC 554

PL-receptacle with 4-hole flange

► Ord.-No.: 5050

NC 553/PL 258

Adaptor 2 x PL-female

► Ord.-No.: 5060

NC 565

Double PL-female panel mount

► Ord.-No.: 5310

NC 558/M 359

L-type adaptor PL-male -PL-female

► Ord.-No.: 5070

DV-PL Adaptor

Adaptor PL-connector -
DV-connector

► Ord.-No.: 68027

NC 570

Dummy Load up to 30 MHz,
5 W / 50 Ω with PL-connector
and lamp

► Ord.-No.: 5090

Dummy L 20

Dummy Load with power rating 20 W/ 60
W short term (interval use),
PL-connector, max. 500 MHz, 50 Ohms.

► Ord.-No.: 53030

BNC 1520/UG 255/U

Adaptor BNC-male - UHF-female

► Ord.-No.: 5158

BNC 1521/UG 273/U

Adaptor PL-male - BNC-female

► Ord.-No.: 5159

SMA/BNC

SMA/BNC female

► Ord.-No.: 58610

BNC-SMA Adaptor

Adaptor SMA - BNC-female

► Ord.-No.: 51640

NC 1451

N-male connector for RG 58/U

► Ord.-No.: 5410

NC 1453
for RG 8U / RG 213

► Ord.-No.: 5411

NC 1481

Adaptor N-male - BNC-female

► Ord.-No.: 5424

NC 1465

Adaptor N-male - PL-female

► Ord.-No.: 5426

NC 1466

Adaptor N-female - PL-male

► Ord.-No.: 5428

FME/FME

Adaptor SAP-SAP

► Ord.-No.: 5855

BNC-SMA/FME

Adaptor BNC-male -
SMA/FME-female

► Ord.-No.: 5860

FME-Crimp

FME-crimp connector

► Ord.-No.: 5850

PL/FME

Adaptor PL -/FME-female

► Ord.-No.: 5856

HF connectors and adaptors

BNC 1505/UG 914/U

Adaptor 2 x BNC-female

► Ord.-No.: 5152

BNC 1501

BNC-connector male, for RG 58/U

► Ord.-No.: 5150

BNC 1501/10

BNC-connector male, for RG 8/U; RG 213/U

► Ord.-No.: 5163

BNC 1531/RG 88 UCR

BNC male plug, for RG 58/U, crimp type

► Ord.-No.: 5161

NC 526

Microphone connector socket

► Ord.-No.: 5145

Microphone extension

for AE 6890 and other with 6 pin mike plug/connector

► Ord.-No.: 7625

Microphone connectors

Mike chassis plug

Mike chassis plug for single hole mounting

NC 513 3-pole:
► Ord.-No.: 5364

NC 515 4-pole:
► Ord.-No.: 5140

NC 517 5-pole:
► Ord.-No.: 5362

NC 519 6-pole:
► Ord.-No.: 5370

NC 523 8-pole:
► Ord.-No.: 5223

Mike connector

Mike connector with coupling ring

NC 514 4-pole:
► Ord.-No.: 5170

NC 516 5-pole:
► Ord.-No.: 5361

NC 518 6-pole:
► Ord.-No.: 5360

NC 518 Gold 6-pole:
► Ord.-No.: 53605

NC 522 8-pole:
► Ord.-No.: 5222

Connector

Plug

Mono-plug 3,5 mm

► Ord.-No.: 5230

> Alan Electronics – der Funkspezialist

Wir sind führender Hersteller von Funkgeräten für den professionellen und den privaten Bereich und seit 1989 in Deutschland vertreten.

Zusammen mit der weltweit agierenden CTE Gruppe mit Hauptsitz in Italien gestalten wir zukunftsorientierte Projekte, die sich durch unsere eigene Entwicklung im Haus erfolgreich im Markt durchsetzen.

Weltweit sind wir mit unseren drei Marken ALAN, ALBRECHT und MIDLAND bekannt. Neben Funkgeräten für Hobby und professionelle Anwender vertreiben wir auch Produkte der Consumer Electronics wie Bluetooth® Headsets, Digital Radios und DVB-T Fernseher im Taschenformat u.m.

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